

## CLAIMS

cm We claim:

*Sub 1*  
1. A material flow modifying device for a screed assembly of a  
2 paving machine for applying paving material upon a generally  
3 horizontal base surface, the screed assembly having a main screed  
4 with a central axis extending in a direction of intended travel  
5 of the paving machine and a screed extension mounted to the main  
6 screed so as to be moveable between a first lateral position with  
7 respect to the central axis and a second lateral position with  
8 respect to the central axis, the flow modifying device  
9 comprising:  
10 a deflector member connected with the screed extension and  
11 having a flow surface facing toward the central axis of the main  
12 screed, contactable with paving material on the base surface and  
13 configured to displace the paving material toward the central  
14 axis when the paving machine moves in the intended travel  
15 direction.

*screed assembly*  
A1 2. The flow modifying device as recited in claim 1 wherein the  
1 deflector member has a first end disposed adjacent to the screed  
2 extension and a second, free end disposed proximal to the main

4 screed, the second end moving laterally with respect to the main  
5 screed when the screed extension moves between the first and  
6 second positions.

*screed assembly*

A 1 3. The ~~flow modifying device~~ as recited in claim 1 wherein the  
2 deflector member has a first end disposed adjacent to the screed  
3 extension and a second end disposed proximal to the main screed,  
4 a distance between the second end and the central axis being  
5 greater than a distance between the first end and the central  
axis.

*screed assembly*

A 1 4. The ~~flow modifying device~~ as recited in claim 1 wherein the  
2 deflector member has a first end disposed adjacent to the screed  
3 extension, a second, free end disposed proximal to the main  
4 screed, the second end being offset inwardly toward the central  
5 axis with respect to the first end.

*screed assembly*

A 1 5. The ~~flow modifying device~~ as recited in claim 1 wherein:  
2 the main screed has a front vertical surface;  
3 the screed extension has an inner vertical surface facing  
4 generally toward the central axis and disposed generally  
5 perpendicular to the front surface of the main screed, and a rear

6 vertical surface disposed adjacent to the front surface of the  
7 main screed; and

8 the deflector member extends between the inner vertical  
9 surface of the screed extension and the front vertical surface of  
10 the main screed.

*screed assembly*

1 6. The ~~flow modifying device~~ as recited in claim 1 wherein the  
2 flow surface extends vertically and rearwardly at an obtuse angle  
3 with respect to the base surface.

*screed assembly*

4 7. The ~~flow modifying device~~ as recited in claim 1 wherein the  
5 deflector member includes a first portion attached to the screed  
6 extension and a second portion removably attached to the first  
7 portion.

*screed assembly*

8. The ~~flow modifying device~~ as recited in claim 1 wherein the  
9 deflector member is adjustably attached to the screed extension  
10 so as to enable adjustment of a horizontal position of the  
1 deflector member with respect to at least one of the screed  
2 extension, the main screed and the base surface.

1 9. The flow modifying device as recited in claim 1 in

2 combination with the screed assembly.

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2           the screed extension is mounted to the main screed so as to  
3   be moveable between a first, most distal lateral position with  
4   respect to the central axis and a second, most proximal lateral  
5   position with respect to the central axis; and

6           the second end of the deflector member moves laterally along  
7   the main screed when the screed extension moves between the first  
8   and second positions.

- 12/3 screed assembly 99*
- 4 1           13. The ~~device~~ as recited in claim ~~10~~ wherein:  
2           the main screed has a front vertical surface;  
3           the screed extension has an inner vertical surface facing  
4   generally toward the central axis and disposed generally  
5   perpendicular to the front surface of the main screed, and a rear  
6   vertical surface disposed adjacent to the front surface of the  
7   main screed; and  
8           the deflector member extends between the inner vertical  
9   surface of the screed extension and the front surface of the main  
10   screed.

- 13 screed assembly 99*
- A 1           14. The ~~flow modifying device~~ as recited in claim ~~10~~ wherein the  
2   deflector member is adjustably attached to the screed extension  
3   so as to enable adjustment of a horizontal position of the

4 deflector member with respect to at least one of the screed  
5 extension, the main screed and the base surface.

*screed assembly*

A 14/14 15. The ~~device~~ as recited in claim 10 wherein the deflector  
1 member includes a first portion attached to the screed extension  
2 and a second portion removably attached to the first portion, the  
3 second portion having an edge slidingly contactable with the main  
4 screed and another edge slidingly contactable with the paving  
5 material.

~~Sub A3~~ 16. A device for a screed assembly of a paving machine for  
1 applying paving material upon a generally horizontal base  
2 surface, the screed assembly having a main screed with a central  
3 axis extending in a direction of intended travel of the paving  
4 machine and a screed extension connected with the main screed and  
5 having an inner end facing generally toward the central axis, the  
6 device comprising:  
7  
deflector means for displacing paving material in a  
8 direction from the end of the screed extension and toward the  
9 central axis of the main screed; and  
10  
attachment means for connecting the deflector means to the  
11 screed extension.

AB1 14. *screed assembly*

15. - *the*

2 The ~~device~~ as recited in claim 16 wherein screed extension  
3 is movably connected with the main screed such that the deflector  
means is movable with respect to the main screed.

17. *Screed assembly* 18. A device for a screed assembly of a paving machine for  
2 leveling paving material upon a generally horizontal base  
3 surface, the screed assembly having a main screed with a central  
4 axis extending in a direction of intended travel of the paving  
machine, and a screed extension movably connected with the main  
5 screed, the device comprising:  
6  
7 a deflector member having a first end disposed adjacent to  
8 the screed extension, a second, free end disposed proximal to the  
main screed, the second end being offset inwardly toward the  
central axis with respect to the first end, and a flow surface  
extending between the first and second ends and contactable with  
paving material on the base surface.

18. *screed assembly*

17.

1 The ~~device~~ as recited in claim 18 wherein the flow surface  
2 displaces the paving material toward the central axis of the main  
3 screed when the paving machine moves in the intended travel  
4 direction.

*19/ screed assembly*

*17*

- A 1 20. The ~~device~~ as recited in claim 18 wherein the deflector  
2 member includes a first portion attached to the screed extension  
3 and a second portion removably attached to the first portion, the  
4 second portion having an edge slidingly contactable with the main  
5 screed and another edge slidingly contactable with the paving  
6 material.

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